

Amendment
Serial No. 10/645,188

Docket 5000-1-421

IN THE ABSTRACT:

Please amend the Abstract as follows:

A system for integrating broadcast and communication technologies comprising includes an optical-line terminal (OLT), a optical-network unit (ONU) and a user gateway, wherein a broadcast signal is processed on the basis of time division multiplexing (TDM) such that the quality of a broadcast service can be ensured. The ONU separates the optical signal transmitted from the OLT into the broadcast signal and the communication signal, processes upstream information transmitted from a user, and optically transmits the broadcast signal and the communication signal selected on a user-by-user basis, on the basis of a time slot. Finally, the user gateway opto-electrically converts a time slot-based optical signal transmitted from the ONU, separates the time slot-based optical signal into individual signals, distributes the individual signals on a service-by-service basis, and optically transmits the upstream information from the user to the ONU.